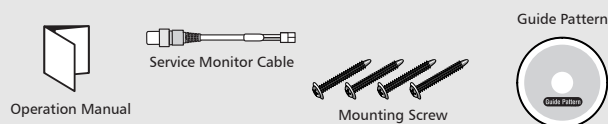


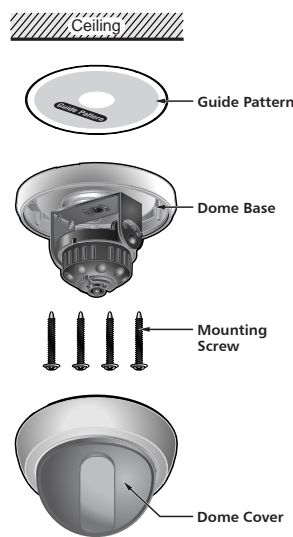
## COMPOSITION:

You must be fully aware of all the distinctive features and precautions related to this camera before installing it.



## INSTALLATION:

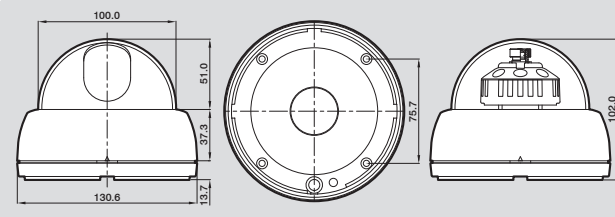
- Stick the guide pattern on the wall or ceiling.
- Drill four holes according to the guide pattern then insert anchors into the drilled holes.
- Draw out power / video wires to the connecting places.
- Fixed the camera to a ceiling using four screws.
- Adjust desired focus and scene by turning and moving the 3-axis camera bracket by hand.
- Put the dome cover over the base.
- Fix the dome cover on the base by covering.



### NOTE

Insert coin to the side hole and remove the dome cover by twist coin.

## DIMENSIONS(mm):



## SPECIFICATIONS:

| Model                        | NTSC                               | PAL                 |
|------------------------------|------------------------------------|---------------------|
| Signal System                | NTSC : 525 Lines                   | PAL : 625 Lines     |
| Scanning System              | 2 : 1 Interlace                    |                     |
| Scanning Frequency (H)       | 15.734kHz                          | 15.625kHz           |
| Scanning Frequency (V)       | 59.94Hz                            | 50Hz                |
| Image Sensor                 | 1/3" SONY Super HAD CCD            |                     |
| Total / Effective Pixels No. | 270K / 250K                        | 320K / 290K         |
| S/N Ratio                    | More than 48dB (AGC Off)           |                     |
| Resolution                   | 380 TV Lines                       |                     |
| Video Output Level           | 1.0 Vp-p (75 Ohms, composite)      |                     |
| Lens                         | Fixed Lens : f=4.0mm, 81°          |                     |
| Focus                        | Manual                             |                     |
| Sync. System                 | Internal                           |                     |
| Sensitivity                  | 0 Lux, IR LED                      |                     |
| Electronic Shutter           | 1/60 ~ 100,000 Sec.                | 1/50 ~ 100,000 Sec. |
| White Balance                | Auto                               |                     |
| AGC                          | On / Off                           |                     |
| BLC                          | On / Off (with Slide Switch)       |                     |
| Flickerless                  | On / Off (with Slide Switch)       |                     |
| Input / Output Connector     | Power, Video                       |                     |
| Power Consumption            | 12VDC (10.8V~15V), 0.4A / 5W (Max) |                     |
| Dome Size (Ø)                | 100mm                              |                     |
| Weight                       | Approx. 366g                       |                     |

Need Help?  
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[www.honeywellvideo.com](http://www.honeywellvideo.com)

P/N:3810-0072H Rev.03/18

# Honeywell

## HD60 Series

## Operation Manual



- 1/3" Sony Super HAD CCD
- 380 TV Lines Resolution
- 4mm Fixed Lens
- Color Day/Night with 24 LEDs
- Auto White Balance
- AGC, BLC, Flickerless On/Off
- Extra Video Output for Installer
- 3-Axis Camera Construction
- Diameter of Bubble : 100mm



READ AND KEEP THIS OPERATION MANUAL

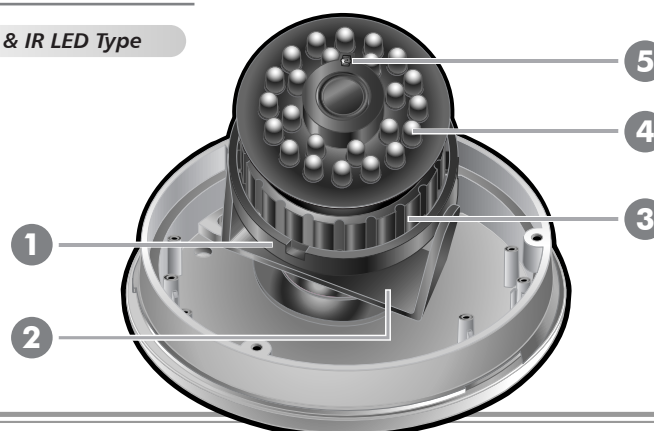
## PRECAUTIONS:

- Do not install the camera in extreme temperature conditions. Do use the camera under conditions where temperatures are within -10°C to 45°C. Be especially careful with ventilation under high temperatures.
- Do not install or use the camera in an environment where the humidity is high. It can cause the image quality to be poor.
- Do not disassemble the camera. There are no user-serviceable parts inside it.
- Do not drop the camera or subject them to physical shocks. It can cause malfunctions to occur.
- Note  
When this camera is installed near wireless communication devices that emits strong electromagnetic field, irregularity such as noise on the monitor may appear.

## NAME AND FUNCTION:

Design and specifications are subject to change without notice.

### Fixed Lens & IR LED Type



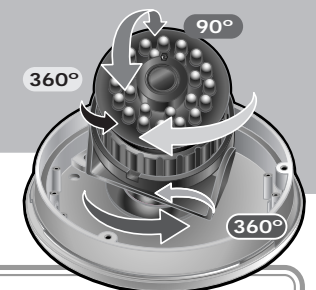
- Tilt rotation: Adjusting the vertical angle.
- Pan rotation: Adjusting the horizontal angle.
- Horizontal rotation: Adjusting the horizontal position of the screen.
- IR LED: 850nm / 30°(24EA)
- Sensor

### Camera Lay-out

### IR LED (4mm Fixed Lens)

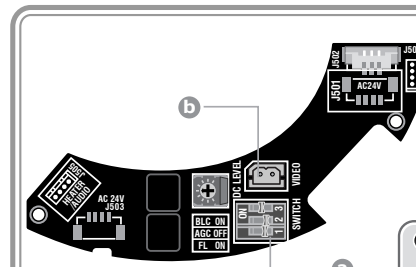
- Power Consumption: 5W
- IR LED Specification: 850nm / 30°(24EA)

Built-in 3-axis camera bracket makes it much easier to rotate in any direction.



## CAMERA SET-UP:

### Fixed Lens & IR LED Type



- a Function Selection Switch:
- FL(Flickerless) ON/OFF
  - AGC(Auto Gain Control) ON/OFF
  - BLC(Back Light Compensation) ON/OFF
- b Service Monitor Connector:  
Use service monitor connector to set camera angle & focus when installing.

CAUTION : When AGC is off, D/N does not work because the D/N switching function is dependent on the AGC level.

## TROUBLESHOOTING:

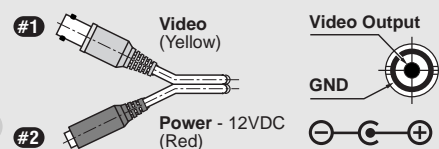
If you have trouble operating your camera, refer to the following. If the guidelines do not enable you to solve the problem, contact an authorized technician.

- The image does not appear on the screen.
  - Check the power source for the monitor and camera and ensure that the voltage and polarity are properly connected and being supplied correctly.
- The image on the screen is dim.
  - Check if the lens is stained. If dirty, clean the lens with a soft, clean cloth.
  - Adjust the Back Focus of the lens again.
- The camera does not work properly, the surface of the camera case is hot, and a black line appears on the screen.
  - Check if you have connected the camera to a proper power source and if there is no problem with the power, turn the unit off immediately and seek assistance from our Customer Service department.
- The screen blinks a lot.
  - Check if the camera is pointed toward the sun or a fluorescent lamp.
  - Adjust the angle or location of the camera if too much light is coming into the screen.

## CONNECTION:

### Connecting to Monitor and Power

### 12VDC Power Type



The wire is polarized. Use 12VDC power source.

| No. | Function     | Terminal Color | Remark                         |
|-----|--------------|----------------|--------------------------------|
| #1  | Video Output | Yellow         | 1.0 Vp-p                       |
| #2  | Power Input  | Red            | 12VDC(10.8V~15V), 0.4A/5W(Max) |